

## **MODULATORS OF POLYSACCHARIDES AND USES THEREOF**

### **ABSTRACT OF THE DISCLOSURE**

The present invention provides peptides with a specific affinity for glycosaminoglycan  
5 molecules. These peptides may have any number of functions, including but not limited to use  
as inhibitors of glycosaminoglycan-mediated processes, enhancers of glycosaminoglycan-  
mediated processes, and as molecular probes to identify the presence of a specific  
glycosaminoglycan. Peptides of the invention may be directed against any glycosaminoglycan,  
including hyaluronic acid, chondroitin sulfate A, chondroitin sulfate C, dermatan sulfate, heparin,  
10 keratan sulfate, keratosulfate, chitin, chitosan 1, and chitosan 2. These isolated peptides may  
have therapeutic uses in the treatment or prevention of diseases involving infection,  
inflammatory diseases, cancer, infections, etc. The peptides may also have other biological  
functions such as contraception.

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